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IN THE CLAIMS:

Claim 1 (currently amended): A power generating electronic timepiece which operates using a power supply device as an energy source, said power supply device comprising at least power generating means, said power generating electronic timepiece comprising:

a time measuring circuit for measuring or calculating predetermined information and outputting the resulting information;

display means for displaying time information or function information based on a signal output from said time measuring circuit; and

control means for controlling states of said power generating electronic timepiece ~~such that when based upon the amount of power generated by said power generating means is detected to be at a first power generation level, the state is changed from first state before detection to a second state which is different from said first state, and when the amount of power generated by said power generating means is detected to be at a second power generation level, the state is changed from said second state to said first state, said second power generation level being different from said first power generation level so as to switch between a first state and a second state in which less power is consumed,~~

wherein if said power generating electronic timepiece is in said first state, said control means makes a first level determination to determine whether or not the amount of power generated by said power generating means is at most a first power generation level, and upon determining that the amount of power is at most said first power generation level, said control means switches to said second state,

wherein if said power generating electronic timepiece is in said second state, said control means makes a second level determination to determine whether or not the amount of power generated by said power generating means is at least a second power generation level that is higher than said first power generation level, and upon determining that the amount of power is at least said second power generation level, said control means switches to said first state, and

wherein said control means makes said first and second level determinations based on a predetermined period of detection of said amount of power or a plurality of detections of said amount of power.

Claim 2 (currently amended): A power generating electronic timepiece according to claim 1, wherein ~~said power supply device comprises power generating means and electricity storage means to which power generated by said power generating means is charged~~ said control means makes said first and second level determinations at least based on a predetermined period of detection of said amount of power.

Claim 3 (canceled).

Claim 4 (canceled).

Claim 5 (canceled).

Claim 6 (currently amended): A power generating electronic timepiece according to claim 1, wherein as said first power generation level and said second power generation level, ~~a detection value~~ generation level can be selected from among a plurality of ~~detection values~~ generation levels for respective power generation levels.

Claim 7 (currently amended): A power generating electronic timepiece according to claim ~~[[6]]~~ 1, wherein an arbitrary ~~optimal value~~ generation level is selected from among said plurality of ~~detection values~~ generation levels respectively for said first power generation level and said second power generation level based on the charge capacity of said electricity storage means.

Claim 8 (currently amended): A power generating electronic timepiece according to claim ~~[[6]]~~ 1, wherein an arbitrary ~~optimal value~~ generation level is selected from among said plurality of ~~detection values~~ generation levels respectively for said first power generation level and said second power generation level based on the temperature of the environment in which said power generating electronic timepiece is placed.

Claim 9 (canceled).

Claim 10 (canceled).

Claim 11 (original): A power generating electronic timepiece according to claim 1, wherein at least a portion of display operations of said display means is suspended in said second state.

Claim 12 (original): A power generating electronic timepiece according to claim 1, wherein a portion of operations of said time measuring circuit or of circuits other than said time measuring circuit is suspended in said second state.

Claim 13 (currently amended): A power generating electronic timepiece according to ~~either claim 11 or claim 12~~ claim 1, wherein at least a portion of said display means is comprised by an analog display mechanism or a digital display mechanism.

Claim 14 (original): A power generating electronic timepiece according to claim 1, wherein a member exhibiting power generation effect when exposed to light energy is used for said power generating means.

Claim 15 (canceled).

Claim 16 (canceled).

Claim 17 (canceled).

Claim 18 (new): A power generating electronic timepiece which operates using a power supply device as an energy source, said power supply device comprising at least power generating means, said power generating electronic timepiece comprising:

a time measuring circuit for measuring or calculating predetermined information and outputting the resulting information;

display means for displaying time information or function information based on a signal output from said time measuring circuit; and

control means for controlling states of said power generating electronic timepiece based on the signal output from the time measuring circuit so as to switch between a first state in which a predetermined function of said power generating electronic timepiece is not operated and a second state in which the predetermined function of said power generating electronic timepiece is operated,

wherein the control means controllably switches to said first state upon detecting a first predetermined number of times that the amount of power generated by said power generating means is at most a first power generation level, and

the control means controllably switches to said second state upon detecting a second predetermined number of times that the amount of power generated by said power generating means is at least a second power generation level that is higher than said first power generation level.

Claim 19 (new): A power generating electronic timepiece according to claim 18, wherein said first predetermined number of times is set equal to said second number of times.

Claim 20 (new): A power generating electronic timepiece according to claim 18, wherein said electronic timepiece further has a predetermined function different from said predetermined function, and

upon detecting a third predetermined number of times that the amount of power generated by said power generating means is at at most said first power generation level, said control means switches to a third state in which neither said predetermined function nor said different predetermined function is operated, the third predetermined number of times being larger than said first predetermined number of times.

Claim 21 (new): A power generating electronic timepiece according to claim 20, wherein said control means controllably switches to said first state upon detecting a fourth predetermined number of times that the amount of power generated by said power generating means is at least said second power generation level, the fourth predetermined number of time being larger than said second predetermined number of times.